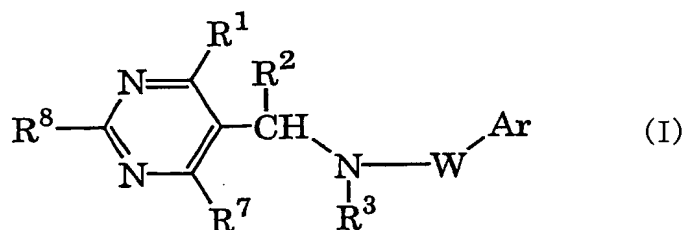


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A pyrimidine derivative represented by the formula

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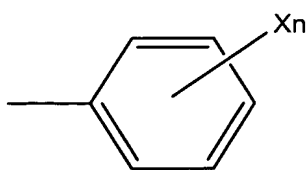
wherein R^1 is a hydrogen atom (except for a case where R^2 = hydrogen atom, and $W=SO_2$), a halogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkylcarbonyl C_1 - C_6 alkyl group, a hydroxyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_3 - C_6 cycloalkyl group (this group may be substituted by a halogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group or a C_1 - C_4 haloalkyl group), a C_1 - C_4 haloalkyl group, a C_1 - C_6 alkoxy group, a C_1 - C_4 haloalkoxy group, a C_2 - C_6 alkenyloxy group, a C_2 - C_6 alkynyloxy group, a C_3 - C_6 cycloalkyloxy group, a phenyl group (this group may be substituted by a halogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group, a C_1 - C_4 haloalkyl group, a C_1 - C_4 haloalkoxy group, a cyano group, a cyano C_1 - C_6 alkyl group, a nitro group, a C_1 - C_6 alkylthio group, a C_1 - C_6 alkylsulfinyl group or a C_1 - C_6 alkylsulfonyl group), a

C_1 - C_6 alkylthio group (except for a case where R^2 = phenyl group, and $W=SO_2$), a C_2 - C_6 alkenylthio group, a C_2 - C_6 alkynylthio group, a C_3 - C_6 cycloalkylthio group, a C_1 - C_6 alkylsulfinyl group, a C_2 - C_6 alkenylsulfinyl group, a

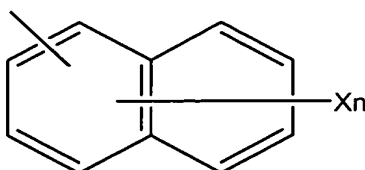
C_2 - C_6 alkynylsulfinyl group, a C_3 - C_6 cycloalkylsulfinyl group, a C_1 - C_6 alkylsulfonyl group, a C_2 - C_6 alkenylsulfonyl group, a C_2 - C_6 alkynylsulfonyl group, a C_3 - C_6 cycloalkylsulfonyl group, a C_1 - C_6 hydroxyalkyl group, a C_2 - C_7 acyl group, a C_1 - C_6 alkoxy

C₁-C₆ alkyl group, a cyano group, a C₁-C₆ alkoxy carbonyl group, a C₁-C₆ alkoxy carbonyl C₁-C₆ alkyl group, a C₁-C₆ alkoxy carbonyl C₂-C₆ alkenyl group, a carboxyl group, a carboxyl C₁-C₆ alkyl group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkoxyimino C₁-C₆ alkyl group, a hydroxyimino C₁-C₆ alkyl group, a dioxolanyl group (this group may be substituted by a C₁-C₆ alkyl group), an aldehyde group, an oxiranyl group, a NR⁹R¹⁰ group or a CONR⁹R¹⁰ group, and R⁹ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group, a C₂-C₇ acyl group or a C₁-C₆ alkylsulfonyl group, and R¹⁰ is a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group, a C₂-C₇ acyl group, a C₁-C₆ alkylsulfonyl group, a C₁-C₆ alkoxy carbonyl group or a benzyloxy carbonyl group;

R² is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group or a C₁-C₄ haloalkyl group), a C₂-C₇ acyl group, a cyano group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkoxyimino C₁-C₆ alkyl group, a hydroxyimino C₁-C₆ alkyl group, a cyano C₁-C₆ alkyl group, a C₁-C₆ hydroxyalkyl group, a C₁-C₆ alkoxy carbonyl group, a C₁-C₆ alkoxy carbonyl C₁-C₆ alkyl group, a CR¹¹R¹²NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a CR¹¹R¹²CONR⁹R¹⁰ group or a group represented by the formulae R²-1 or R²-2:



R²- 1



R²- 2

and wherein X is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsufonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, and n is an integer of from 1 to 3, and when n is an integer of 2 or 3, the plurality of X may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group;

each of R¹¹ and R¹² is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group or a C₁-C₆ alkoxy group;

R³ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a di C₁-C₆ alkylamino group, a C₃-C₆ cycloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl C₁-C₆ alkyl group, an oxiranyl C₁-C₆ alkyl group or a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group;

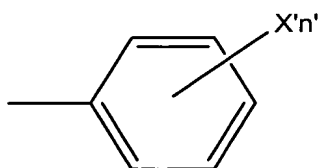
W is a -C(=Q)Z- group or a -SO₂- group, Q is an oxygen atom or a sulfur atom, Z is an oxygen atom, a sulfur atom, a -NR⁶- group, a

-CH₂CH₂- group, a -CH=CH- group, a -C(R⁴)R⁵- group, a

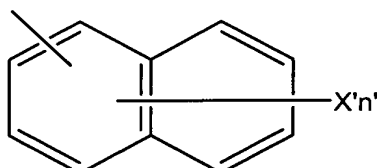
-C(R⁴)R⁵-Q- group, a -Q-C(R⁴)R⁵- group, a -C(=Q)- group, a -NR⁶NR^{6a}- group or a -NR⁶C(R⁴)R⁵- group, and each of R⁴ and R⁵ is a hydrogen atom, a C₁-C₆ alkyl group, a

halogen atom, a C₁-C₆ alkoxy group or a C₁-C₆ alkylthio group, each of R⁶ and R^{6a} is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group or a C₂-C₆ alkynyl group;

Ar is a group represented by the formulae Ar-1 or Ar-2:



Ar- 1



Ar- 2

and wherein X' is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsulfonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, n' is an integer of from 1 to 3 and when n' is an integer of 2 or 3, the plurality of X' may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group;

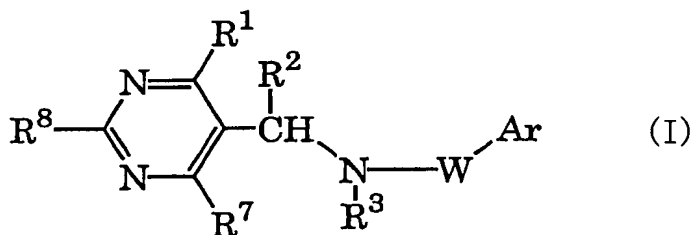
R⁷ is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a

C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group (except for a case where R¹ is a hydrogen atom and R² is a phenyl group and W is SO₂), a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group; and

R⁸ is a hydrogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group.

Claim 2 (Previously Presented): A pyrimidine derivative represented by the formula

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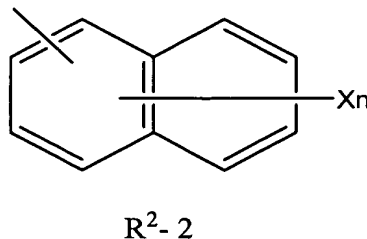
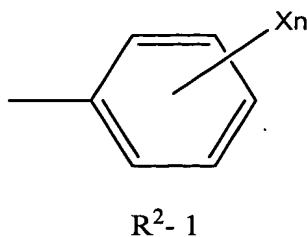


wherein R¹ is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkylcarbonyl C₁-C₆ alkyl group, a hydroxyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₃-C₆ cycloalkyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a

C₁-C₆ alkoxy group or a C₁-C₄ haloalkyl group), a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₂-C₆ alkynyloxy group, a C₃-C₆ cycloalkyloxy group, a phenyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkyl group, a C₁-C₄ haloalkoxy group, a cyano group, a nitro group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group or a C₁-C₆ alkylsulfonyl group), a C₁-C₆ alkylthio group, a C₂-C₆ alkenylthio group, a C₂-C₆ alkynylthio group, a C₃-C₆ cycloalkylthio group, a C₁-C₆ alkylsulfinyl group, a C₂-C₆ alkenylsulfinyl group, a C₂-C₆ alkynylsulfinyl group, a C₃-C₆ cycloalkylsulfinyl group, a C₁-C₆ alkylsulfonyl group, a C₂-C₆ alkenylsulfonyl group, a C₂-C₆ alkynylsulfonyl group, a C₃-C₆ cycloalkylsulfonyl group, a hydroxyalkyl group, a C₂-C₇ acyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano group, a cyano C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl C₂-C₆ alkenyl group, a carboxyl group, a carboxyl C₁-C₆ alkyl group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆

alkoxyimino C₁-C₆ alkyl group, a hydroxyimino C₁-C₆ alkyl group, a dioxolanyl group (this group may be substituted by a C₁-C₆ alkyl group), an aldehyde group, an oxiranyl group, a NR⁹R¹⁰ group or a CONR⁹R¹⁰ group, and R⁹ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group, a C₂-C₇ acyl group or a C₁-C₆ alkylsulfonyl group, and R¹⁰ is a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group, a C₂-C₇ acyl group, a C₁-C₆ alkylsulfonyl group, a C₁-C₆ alkoxycarbonyl group or a benzyloxycarbonyl group;

R² is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group or a C₁-C₄ haloalkyl group), a C₂-C₇ acyl group, a cyano group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkoxyimino C₁-C₆ alkyl group, a hydroxyimino C₁-C₆ alkyl group, a cyano C₁-C₆ alkyl group, a C₁-C₆ hydroxyalkyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group, a CR¹¹R¹²NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a CR¹¹R¹²CONR⁹R¹⁰ group or a group represented by the formulae R²-1 or R²-2:



and wherein X is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsufonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, n is an integer of from 1 to 3, and when n is an integer of 2 or 3, the plurality of X may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group, and each of R¹¹ and R¹² is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group or a C₁-C₆ alkoxy group;

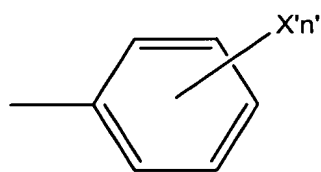
R³ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a di C₁-C₆ alkylamino group, a C₃-C₆ cycloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl C₁-C₆ alkyl group, an oxiranyl C₁-C₆ alkyl group or a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group;

W is a -C(=Q)Z- group, Q is an oxygen atom or a sulfur atom, Z is an oxygen atom, a sulfur atom, a -NR⁶- group, a

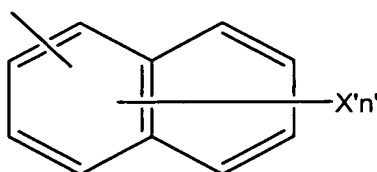
-CH₂CH₂- group, a -CH=CH- group, a -C(R⁴)R⁵- group, a

-C(R⁴)R⁵-Q- group, a -Q-C(R⁴)R⁵- group, a -C(=Q)- group, a -NR⁶NR^{6a}- group or a -NR⁶C(R⁴)R⁵- group, each of R⁴ and R⁵ is a hydrogen atom, a C₁-C₆ alkyl group, a halogen atom, a C₁-C₆ alkoxy group or a C₁-C₆ alkylthio group, each of R⁶ and R^{6a} is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group or a C₂-C₆ alkynyl group;

Ar is a group represented by the formulae Ar-1 or Ar-2:



Ar- 1



Ar- 2

and wherein X' is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsufonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, n' is an integer of from 1 to 3, and when n' is an integer of 2 or 3, the plurality of X' may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group;

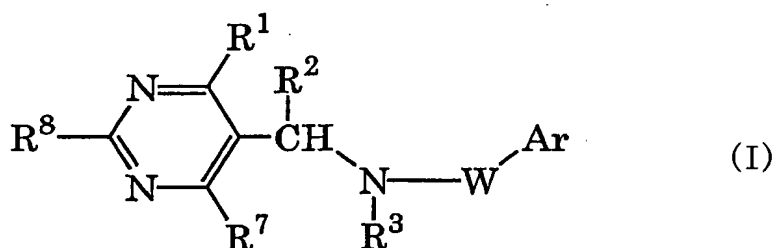
R⁷ is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a

C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group; and

R⁸ is a hydrogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group.

Claim 3 (Previously Presented): A pyrimidine derivative represented by the formula

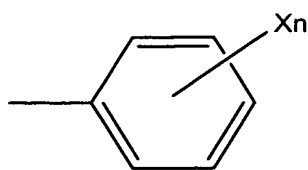
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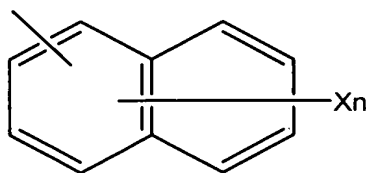
wherein R¹ is a halogen atom, a C₁-C₆ alkyl group, an oxo C₁-C₆ alkyl group, a hydroxyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₃-C₆ cycloalkyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group or a C₁-C₄ haloalkyl group), a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₂-C₆ alkynyloxy group, a C₃-C₆ cycloalkyloxy group, a phenyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkyl group, a C₁-C₄ haloalkoxy group, a cyano group, a nitro group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group or a C₁-C₆ alkylsulfonyl group), a C₂-C₆ alkenylthio group, a C₂-C₆ alkynylthio group, a C₃-C₆ cycloalkylthio group, a C₁-C₆ alkylsulfinyl group, a C₂-C₆ alkenylsulfinyl group, a C₂-C₆ alkynylsulfinyl group, a C₃-C₆ cycloalkylsulfinyl group, a C₁-C₆ alkylsulfonyl group, a C₂-C₆ alkenylsulfonyl group, a C₂-C₆ alkynylsulfonyl group, a C₃-C₆ cycloalkylsulfonyl group, a hydroxyalkyl group, a C₂-C₇ acyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano group, a cyano C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl C₂-C₆ alkenyl group, a carboxyl group, a carboxyl C₁-C₆ alkyl group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkoxyimino C₁-C₆ alkyl group, a hydroxyimino C₁-C₆ alkyl group, a dioxolanyl group (this group may be substituted by a C₁-C₆ alkyl group), an

aldehyde group, an oxiranyl group, a NR^9R^{10} group or a $\text{CONR}^9\text{R}^{10}$ group, and R^9 is a hydrogen atom, a $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_2\text{-C}_6$ alkenyl group, a $\text{C}_2\text{-C}_6$ alkynyl group, a $\text{C}_1\text{-C}_4$ haloalkyl group, a $\text{C}_1\text{-C}_6$ alkoxy $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_1\text{-C}_6$ alkylthio $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_3\text{-C}_6$ cycloalkyl group, a $\text{C}_2\text{-C}_7$ acyl group or a $\text{C}_1\text{-C}_6$ alkylsulfonyl group, and R^{10} is a $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_2\text{-C}_6$ alkenyl group, a $\text{C}_2\text{-C}_6$ alkynyl group, a $\text{C}_1\text{-C}_4$ haloalkyl group, a $\text{C}_1\text{-C}_6$ alkoxy $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_1\text{-C}_6$ alkylthio $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_3\text{-C}_6$ cycloalkyl group, a $\text{C}_2\text{-C}_7$ acyl group, a $\text{C}_1\text{-C}_6$ alkylsulfonyl group, a $\text{C}_1\text{-C}_6$ alkoxycarbonyl group or a benzyloxycarbonyl group;

R^2 is a hydrogen atom, a $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_2\text{-C}_6$ alkenyl group, a $\text{C}_2\text{-C}_6$ alkynyl group, a $\text{C}_1\text{-C}_6$ alkylthio group, a $\text{C}_1\text{-C}_4$ haloalkyl group, a $\text{C}_1\text{-C}_6$ alkoxy group, a $\text{C}_1\text{-C}_6$ alkoxy $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_1\text{-C}_6$ alkylthio $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_3\text{-C}_6$ cycloalkyl group (this group may be substituted by a halogen atom, a $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_1\text{-C}_6$ alkoxy group or a $\text{C}_1\text{-C}_4$ haloalkyl group), a $\text{C}_2\text{-C}_7$ acyl group, a cyano group, a di $\text{C}_1\text{-C}_6$ alkoxy $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_1\text{-C}_6$ alkoxyimino $\text{C}_1\text{-C}_6$ alkyl group, a hydroxyimino $\text{C}_1\text{-C}_6$ alkyl group, a cyano $\text{C}_1\text{-C}_6$ alkyl group, a $\text{C}_1\text{-C}_6$ hydroxyalkyl group, a $\text{C}_1\text{-C}_6$ alkoxycarbonyl group, a $\text{C}_1\text{-C}_6$ alkoxycarbonyl $\text{C}_1\text{-C}_6$ alkyl group, a $\text{CR}^{11}\text{R}^{12}\text{NR}^9\text{R}^{10}$ group, a $\text{CONR}^9\text{R}^{10}$ group, a $\text{CR}^{11}\text{R}^{12}\text{CONR}^9\text{R}^{10}$ group or a group represented by the formulae $\text{R}^2\text{-1}$ or $\text{R}^2\text{-2}$:



$\text{R}^2\text{-1}$



$\text{R}^2\text{-2}$

and wherein X is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

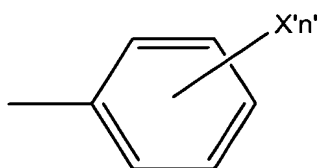
C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsufonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, n is an integer of from 1 to 3, and when n is an integer of 2 or 3, the plurality of X may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group, and each of R¹¹ and R¹² is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group or a C₁-C₆ alkoxy group;

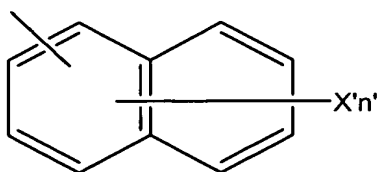
R³ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a di C₁-C₆ alkylamino group, a C₃-C₆ cycloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl C₁-C₆ alkyl group, an oxiranyl C₁-C₆ alkyl group or a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group;

W is a -SO₂- group;

Ar is a group represented by the formulae Ar-1 or Ar-2:



Ar- 1



Ar- 2

and wherein X' is a hydrogen atom, a halogen atom, an alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a

C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsufonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, n' is an integer of from 1 to 3, and when n' is an integer of 2 or 3, the plurality of X' may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group;

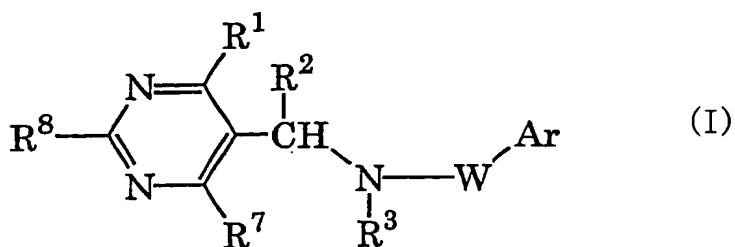
R⁷ is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a

C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group; and

R⁸ is a hydrogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group.

Claim 4 (Currently Amended): A pyrimidine derivative represented by the formula

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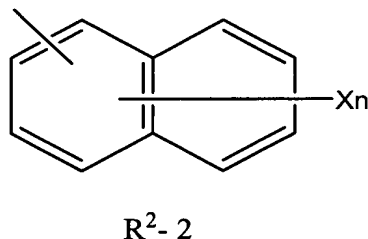
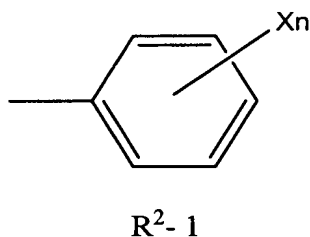
wherein R¹ is a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkylcarbonyl C₁-C₆ alkyl group, a hydroxyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₃-C₆ cycloalkyl

group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group or a C₁-C₄ haloalkyl group), a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₂-C₆ alkynyloxy group, a C₃-C₆ cycloalkyloxy group, a phenyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkyl group, a C₁-C₄ haloalkoxy group, a cyano group, a nitro group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group or a C₁-C₆ alkylsulfonyl group), a

C₁-C₆ alkylthio group (except for a case where R² = phenyl group, and W=SO₂), a C₂-C₆ alkenylthio group, a C₂-C₆ alkynylthio group, a C₃-C₆ cycloalkylthio group, a C₁-C₆ alkylsulfinyl group, a C₂-C₆ alkenylsulfinyl group, a

C₂-C₆ alkynylsulfinyl group, a C₃-C₆ cycloalkylsulfinyl group, a C₁-C₆ alkylsulfonyl group, a C₂-C₆ alkenylsulfonyl group, a C₂-C₆ alkynylsulfonyl group, a C₃-C₆ cycloalkylsulfonyl group, a C₁-C₆ hydroxyalkyl group, a C₂-C₇ acyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano group, a cyano C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkoxycarbonyl C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl C₂-C₆ alkenyl group, a carboxyl group, a carboxyl C₁-C₆ alkyl group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkoxyimino C₁-C₆ alkyl group, a hydroxyimino C₁-C₆ alkyl group, a dioxolanyl group (this group may be substituted by a C₁-C₆ alkyl group), an aldehyde group, an oxiranyl group, a NR⁹R¹⁰ group or a CONR⁹R¹⁰ group, and R⁹ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group, a C₂-C₇ acyl group or a C₁-C₆ alkylsulfonyl group, and R¹⁰ is a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a C₁-C₆ alkylthio C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group, a C₂-C₇ acyl group, a C₁-C₆ alkylsulfonyl group, a C₁-C₆ alkoxycarbonyl group or a benzyloxycarbonyl group;

R^2 is a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_1 - C_6 alkylthio group, a C_1 - C_4 haloalkyl group, a C_1 - C_6 alkoxy group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a C_1 - C_6 alkylthio C_1 - C_6 alkyl group, a C_3 - C_6 cycloalkyl group (this group may be substituted by a halogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group or a C_1 - C_4 haloalkyl group), a C_2 - C_7 acyl group, a cyano group, a di C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a C_1 - C_6 alkoxyimino C_1 - C_6 alkyl group, a hydroxyimino C_1 - C_6 alkyl group, a cyano C_1 - C_6 alkyl group, a C_1 - C_6 hydroxyalkyl group, a C_1 - C_6 alkoxycarbonyl group, a C_1 - C_6 alkoxycarbonyl C_1 - C_6 alkyl group, a $CR^{11}R^{12}NR^9R^{10}$ group, a $CONR^9R^{10}$ group, a $CR^{11}R^{12}CONR^9R^{10}$ group or a group represented by the formulae R^2 -1 or R^2 -2:



and wherein X is a hydrogen atom, a halogen atom, a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_1 - C_6 alkoxy group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a NR^9R^{10} group, a $CONR^9R^{10}$ group, a C_1 - C_4 haloalkoxy group, a C_2 - C_6 alkenyloxy group, a C_3 - C_6 cycloalkyloxy group, a

C_2 - C_7 acyl group, a C_1 - C_6 alkoxycarbonyl group, a C_1 - C_6 alkylthio group, a C_1 - C_6 alkylsulfinyl group, a C_1 - C_6 alkylsufonyl group, a cyano group, a nitro group or a

C_1 - C_4 haloalkyl group, n is an integer of from 1 to 3, and when n is an integer of 2 or 3, the plurality of X may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C_1 - C_3 alkylenedioxy group, and each of R^{11} and R^{12} is a

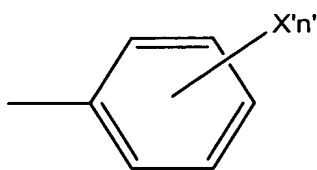
hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group or a C₁-C₆ alkoxy group[[],];

R³ is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a di C₁-C₆ alkylamino group, a C₃-C₆ cycloalkyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano C₁-C₆ alkyl group or a C₃-C₆ cycloalkyl C₁-C₆ alkyl group;

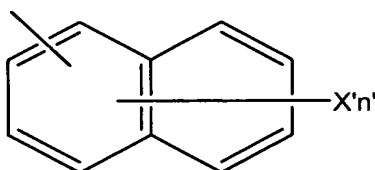
W is a -C(=Q)Z- group or a -SO₂- group, Q is an oxygen atom or a sulfur atom, Z is an oxygen atom, a sulfur atom, a -NR⁶- group, a -C(R⁴)R⁵- group, a

-C(R⁴)R⁵-Q- group, a -NR⁶NR^{6a}- group or a -NR⁶C(R⁴)R⁵- group, and each of R⁴ and R⁵ is a hydrogen atom, a C₁-C₆ alkyl group, a halogen atom or a C₁-C₆ alkoxy group, and each of R⁶ and R^{6a} is a hydrogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group or a C₂-C₆ alkynyl group;

Ar is a group represented by the formulae Ar-1 or Ar-2:



Ar- 1



Ar- 2

and wherein X' is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a C₂-C₆ alkenyl group, a C₂-C₆ alkynyl group, a C₁-C₆ alkoxy group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a NR⁹R¹⁰ group, a CONR⁹R¹⁰ group, a C₁-C₄ haloalkoxy group, a C₂-C₆ alkenyloxy group, a C₃-C₆ cycloalkyloxy group, a

C₂-C₇ acyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group, a C₁-C₆ alkylsufonyl group, a cyano group, a nitro group or a

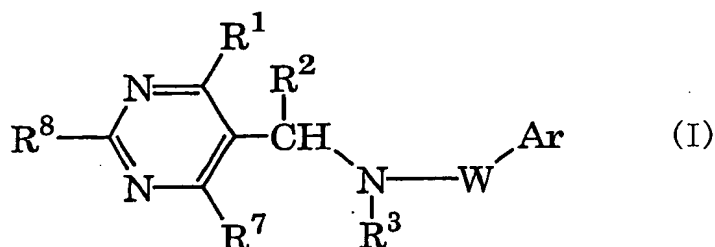
C₁-C₄ haloalkyl group, n' is an integer of from 1 to 3, and when n' is an integer of 2 or 3, the plurality of X' may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylenedioxy group;

R⁷ is a hydrogen atom or a halogen atom; and

R⁸ is a hydrogen atom.

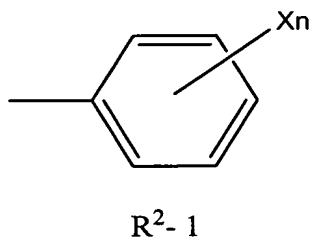
Claim 5 (Previously Presented): A pyrimidine derivative represented by the formula

(I)



wherein R¹ is a C₁-C₆ alkyl group, a C₁-C₆ alkylcarbonyl C₁-C₆ alkyl group, a C₃-C₆ cycloalkyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group or a C₁-C₄ haloalkyl group), a C₁-C₄ haloalkyl group, a C₁-C₆ alkoxy group, a phenyl group (this group may be substituted by a halogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkoxy group, a C₁-C₄ haloalkyl group, a C₁-C₄ haloalkoxy group, a cyano group, a nitro group, a C₁-C₆ alkylthio group, a C₁-C₆ alkylsulfinyl group or a C₁-C₆ alkylsulfonyl group), a C₁-C₆ alkylthio group (except for a case where R²=phenyl group, and W=SO₂), a C₁-C₆ alkylsulfinyl group, a C₂-C₇ acyl group, a C₁-C₆ alkoxy C₁-C₆ alkyl group, a cyano group, a cyano C₁-C₆ alkyl group, a C₁-C₆ alkoxycarbonyl group, a C₁-C₆ alkoxycarbonyl C₂-C₆ alkenyl group, a carboxyl group, a di C₁-C₆ alkoxy C₁-C₆ alkyl group or a C₁-C₆ alkoxyimino C₁-C₆ alkyl group;

R^2 is a C_1 - C_6 alkyl group, a C_1 - C_4 haloalkyl group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a C_1 - C_6 alkylthio C_1 - C_6 alkyl group, a C_3 - C_6 cycloalkyl group (this group may be substituted by a halogen atom, a C_1 - C_6 alkyl group, a C_1 - C_6 alkoxy group or a C_1 - C_4 haloalkyl group) a C_2 - C_7 acyl group, or a group represented by the formula R^2-1 :



and wherein X is a hydrogen atom, a halogen atom, a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_1 - C_6 alkoxy group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a NR^9R^{10} group, a $CONR^9R^{10}$ group, a C_1 - C_4 haloalkoxy group, a C_2 - C_6 alkenyloxy group, a C_3 - C_6 cycloalkyloxy group, a

C_2 - C_7 acyl group, a C_1 - C_6 alkoxycarbonyl group, a C_1 - C_6 alkylthio group, a C_1 - C_6 alkylsulfinyl group, a C_1 - C_6 alkylsulfonyl group, a cyano group, a nitro group or a

C_1 - C_4 haloalkyl group, n is an integer of from 1 to 3, and when n is an integer of 2 or 3, the plurality of X may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C_1 - C_3 alkylenedioxy group, and R^9 is a hydrogen atom, a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a

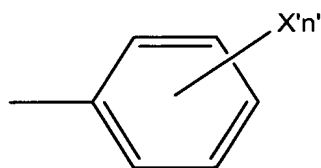
C_1 - C_4 haloalkyl group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a C_1 - C_6 alkylthio C_1 - C_6 alkyl group, a C_3 - C_6 cycloalkyl group, a C_2 - C_7 acyl group or a C_1 - C_6 alkylsulfonyl group, and R^{10} is a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_1 - C_4 haloalkyl group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a C_1 - C_6 alkylthio C_1 - C_6 alkyl group, a C_3 - C_6 cycloalkyl group, a C_2 - C_7 acyl group, a C_1 - C_6 alkylsulfonyl group, a C_1 - C_6 alkoxycarbonyl

group or a benzyloxycarbonyl group, and each of R^{11} and R^{12} is a hydrogen atom, a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group or a C_1 - C_6 alkoxy group;

R^3 is a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_1 - C_6 alkoxy group, a C_3 - C_6 cycloalkyl group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group or a cyano C_1 - C_6 alkyl group;

W is a $-C(=Q)Z-$ group or a $-SO_2-$ group, Q is an oxygen atom or a sulfur atom, Z is a $-NR^6-$ group, a $-C(R^4)R^5-$ group, a $-C(R^4)R^5-Q-$ group, a $-NR^6NR^{6a}-$ group or a $-NR^6C(R^4)R^5-$ group, and each of R^4 and R^5 is a hydrogen atom, a C_1 - C_6 alkyl group, a halogen atom or a C_1 - C_6 alkoxy group, and each of R^6 and R^{6a} is a hydrogen atom, a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group or a C_2 - C_6 alkynyl group;

Ar is a group represented by formula Ar-1:



Ar- 1

and wherein X' is a hydrogen atom, a halogen atom, a C_1 - C_6 alkyl group, a C_2 - C_6 alkenyl group, a C_2 - C_6 alkynyl group, a C_1 - C_6 alkoxy group, a C_1 - C_6 alkoxy C_1 - C_6 alkyl group, a NR^9R^{10} group, a $CONR^9R^{10}$ group, a C_1 - C_4 haloalkoxy group, a C_2 - C_6 alkenyloxy group, a C_3 - C_6 cycloalkyloxy group, a

C_2 - C_7 acyl group, a C_1 - C_6 alkoxycarbonyl group, a C_1 - C_6 alkylthio group, a C_1 - C_6 alkylsulfinyl group, a C_1 - C_6 alkylsufonyl group, a cyano group, a nitro group or a

C₁-C₄ haloalkyl group, n' is an integer of from 1 to 3, and when n' is an integer of 2 or 3, the plurality of X' may be the same or different, and two adjacent lower alkoxy groups may be bonded to each other to form a C₁-C₃ alkylendioxy group;

R⁷ is a hydrogen atom, a halogen atom, a C₁-C₆ alkyl group, a

C₁-C₆ alkoxy group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group; and

R⁸ is a hydrogen atom, a C₁-C₆ alkyl group, a C₁-C₆ alkylthio group, a C₁-C₄ haloalkyl group or a C₃-C₆ cycloalkyl group.

Claim 6 (Canceled)

Claim 7 (Previously Presented): A herbicide containing the pyrimidine derivative as defined in Claim 1, as an active ingredient.

Claim 8 (Previously Presented): A herbicide containing the pyrimidine derivative as defined in Claim 2, as an active ingredient.

Claim 9 (Previously Presented): A herbicide containing the pyrimidine derivative as defined in Claim 3, as an active ingredient.

Claim 10 (Previously Presented): A herbicide containing the pyrimidine derivative as defined in Claim 4, as an active ingredient.

Claim 11 (Previously Presented): A herbicide containing the pyrimidine derivative as defined in Claim 5, as an active ingredient.